



CERTIFICATE OF ANALYSIS N° PAN-9813

COMPANY : Triton Energy of Panama, Corp.
CLIENT ADDRESS : Calle Elvira Mendez, Ed. Vallarino, Piso No. 3, Panama, Panama
ATTENTION OF : Hector Centella

REFERENCE NO. :
TANK : 7
DESCRIPTION : UML Comp After Discharge
SAMPLE LABEL/ID : 0267-2019
LOCATION : Telfer Tanks Inc - Panama
PRODUCT : ULSD

MOVEMENT : Discharge
SAMPLING DATE : 04-Jun-2019 12:50
RECEIVED DATE : 04-Jun-2019 15:15
TESTED DATE : 05-Jun-2019
REPORT DATE : 05-Jun-2019
DRAWN BY : Camin Cargo Control
Panama

Method	Description of Test	Result / Unit	Minimum	Maximum	Remarks
D 4052-11	API Gravity @ 60°F	38.8 °API	32.0		Pass
D 4052	Density @ 15°C	0.8304 g/cm3		0.8600	Pass
D 4176 (1)	Appearance	C&B		C&B	Pass
D 1500	ASTM Color	L0.5		2.5	Pass
D 93A	Flash Point	60.0 °C	60		Pass
D 97	Pour Point	-18 °C		Report	
D 445	Viscosity @ 40 °C	2.544 cSt	1.9	4.1	Pass
D 86-12	Distillation				
	10%	204.5 °C		Report	
	50%	262.2 °C		Report	
	90%	325.0 °C	282	338	Pass
	Final Boiling Point (End Point)	349.6 °C		Report	
	Recovery	98.0 Vol. %			
	Residue	1.8 Vol. %		2	Pass
	Loss	0.2 Vol. %		2	Pass
D 976	Cetane Index	52.7	45		Pass
D 2622	Sulfur	6.3 mg/kg		15	Pass
D 482	Ash	<0.001 Mass %		0.01	Pass
D 4530	Carbon Residue, Micro Carbon on 10% Bott.	<0.10 Mass %		0.3	Pass
D 2709	Sediment & Water	<0.010 Vol. %		0.05	Pass
D 130	Copper Corrosion @ 50 °C (3 hrs)	1a		2	Pass
D 2624	Electrical Conductivity	126 pS/m	25		Pass
EN 14078-A	Fatty Acid Methyl Esters (FAME)	<0.05 Vol. %		0.1	Pass
D 6079	Lubricity - HFRR				
	Wear Scar Diameter @ 60° C	380 microns		520	Pass

Samples taken as per Standard Practice for Manual Sampling of Petroleum and Petroleum Products (ASTM D4057 / API MPMS Chapter 8.1)
All testing performed by Camin Cargo Control.

Certified that this sample meets the relevant specification with respect to the above tests as noted.

Note: Test results reported are valid only for the indicated sample mentioned above.

All gauges, temperatures and volumes were obtained in accordance to the latest API and ASTM procedures.

Data contained in this report is Confidential to the addressee and should not be disclosed to any other party without approval of client(s).

Lote: 0619LDO02.
Volumen: 185,357.22 netos

Boris Zorrilla / Laboratory Manager